

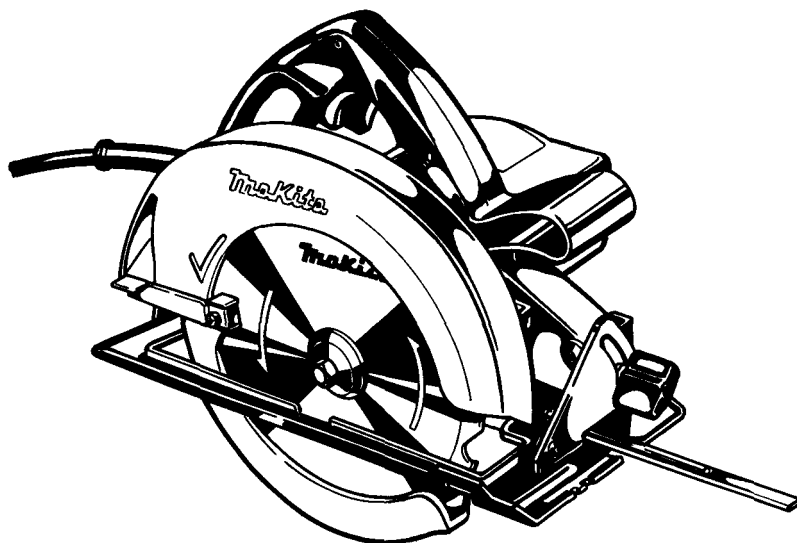
Makita

アメリカ

Square Cut Saw

185 mm (7-1/4") MODEL 5007S

INSTRUCTION MANUAL



SPECIFICATIONS

Blade diameter	Max. cutting capacities		No load speed (RPM)	Overall length	Net weight
	90°	45°			
185 mm (7-1/4")	58.5 mm (2-5/16")	45.5 mm (1-3/16")	5,800	395 mm (15-1/2")	5.5 kg (12.1 lbs)

- * Workpieces up to 2 x 10 can be cut when the guide plate is installed.
- Manufacturer reserves the right to change specifications without notice.
- Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL.** Using a power source with voltage less than the nameplate rating is harmful to the motor.

Use Of Extension Cord

If the extension cord is intended to be used outdoors, the cord shall be marked with the suffix **W-A** following the cord type designation, for example — **SJTW-A**, to indicate it is acceptable for outdoor use. Use an extension cord heavy enough to carry the current the tool will draw. Undersize cord will cause a drop in line voltage resulting in loss of power and over-heating. Make sure the extension cord is in good condition before using. Use the table below to determine the proper wire size required in the extension cord.

Ampere rating (on nameplate)	0 — 2.00	2.10 — 3.40	3.50 — 5.00	5.10 — 7.00	7.10 — 12.00	12.10 — 16.00
Ext. Cable Length	Wire Size (American Wire Gauge)					
25 Ft.	18	18	18	18	16	14
50 Ft.	18	18	18	16	14	12
75 Ft.	18	18	16	14	12	10
100 Ft.	18	16	14	12	10	—
150 Ft.	16	14	12	12	—	—

ADDITIONAL SAFETY RULES

1. Wear hearing protection.

2. Keep Guards In Place and In Working Order.

Never wedge or tie lower guard open. Check operation of lower guard before each use. Don't use if lower guard does not close briskly over saw blade.

CAUTION: If saw is dropped, lower guard may be bent, restricting full return.

3. Do not use blades which are deformed or cracked.

4. Do not use blades of high speed steel.

5. Keep Blades Clean and Sharp.

Sharp blades minimize stalling and kickback.

6. DANGER: Keep Hands Away From Cutting Area.

Keep hands away from blades. Don't reach underneath work while blade is rotating. Don't attempt to remove cut material when blade is moving.

CAUTION: Blades coast after turn off.

7. Support Large Panels.

Large panels must be supported as shown in Fig. 1 to minimize the risk of blade pinching and kickback.

When cutting operation requires the resting of the saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.

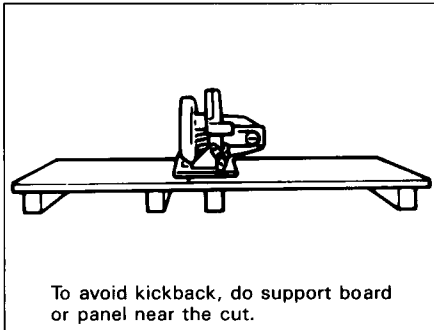


Fig. 1

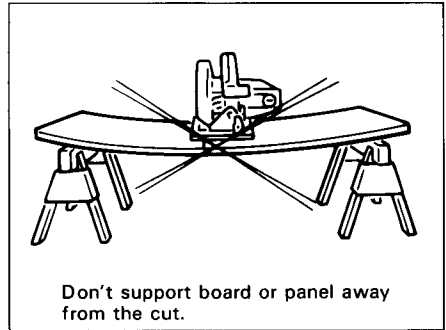


Fig. 2

8. Use Rip Fence.

Always use a fence or straight edge guide when ripping.

9. Guard Against Kickback.

Kickback occurs when the saw stalls rapidly and is driven back towards the operator. Release switch immediately if blade binds or saw stalls. Keep blades sharp. Support large panels as shown in Fig. 1. Use fence or straight edge guide when ripping. Don't force tool. Stay alert exercise control. Don't remove saw from work during a cut while the blade is moving.

NEVER place your hand or fingers behind the saw. If kickback occurs, the saw could easily jump backwards over your hand, possibly causing severe injury.

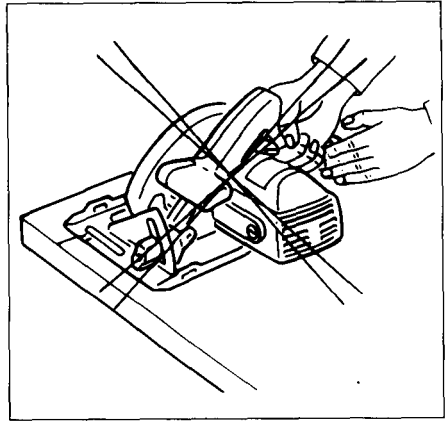
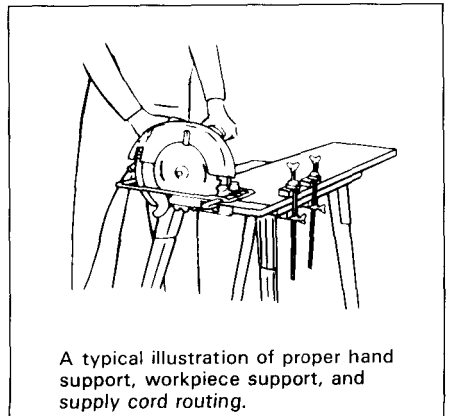


Fig. 3

10. Lower Guard. Raise lower guard with the retracting handle.
11. Adjustments. Before cutting be sure depth and bevel adjustments are tight.
12. Use Only Correct Blades In Mounting. Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.
13. Avoid Cutting Nails. Inspect for and remove all nails from lumber before cutting.
14. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the workpiece during the cutting operation. Operate with proper hand support, proper workpiece support, and supply cord routing away from the work area.



A typical illustration of proper hand support, workpiece support, and supply cord routing.

Fig. 4

WARNING:

It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 4 illustrates typical hand support of the saw.

15. Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made. As examples, Fig. 5 illustrates the **RIGHT** way to cut off the end of a board, and Fig. 6 the **WRONG** way. If the workpiece is short or small, clamp it down. **DON'T TRY TO HOLD SHORT PIECES BY HAND!**

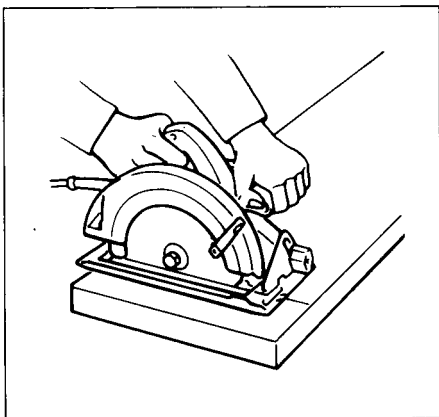


Fig. 5

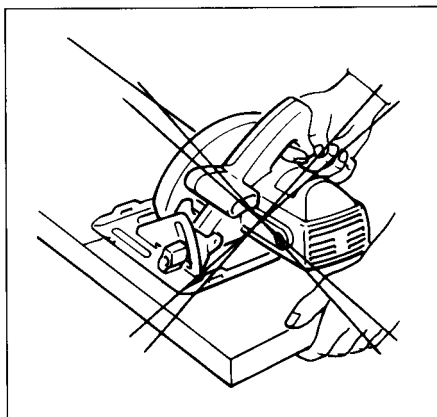


Fig. 6

16. Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents.

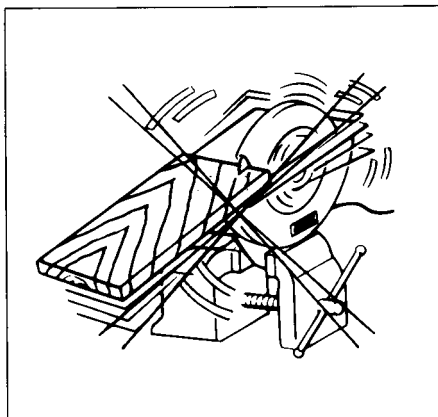


Fig. 7

17. Before setting the tool down after completing a cut, be sure that the lower (telescoping) guard has closed and the blade has come to a complete stop.

SAVE THESE INSTRUCTIONS.

Removing or installing saw blade

CAUTION:

Always be sure that the tool is switched off and unplugged before removing or installing the blade.

To remove the blade, press the shaft lock so that the blade cannot revolve and use the wrench to loosen the hex bolt counter-clockwise.

Then remove the hex bolt, outer flange and the blade.

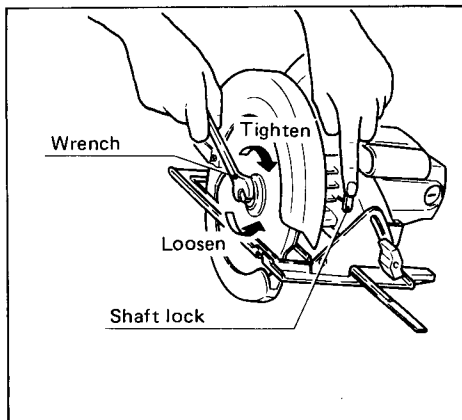


Fig. 8

To install the blade, follow the removal procedure in reverse.

BE SURE TO TIGHTEN THE HEX BOLT SECURELY.

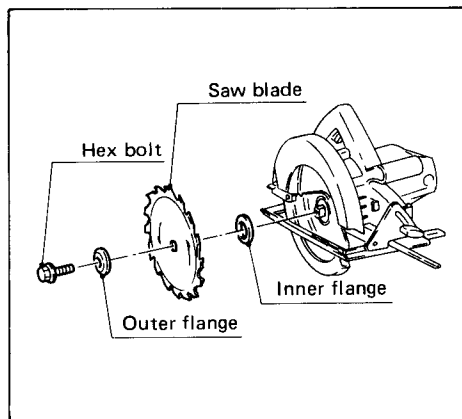


Fig. 9

CAUTION:

- Be sure the blade is installed with teeth pointing up at the front of the tool.
- Use only the Makita wrench to install or remove the blade.

Adjusting depth of cut

Loosen the lever on the depth guide and move the base up or down.

At the desired depth of cut, secure the base by tightening the lever.

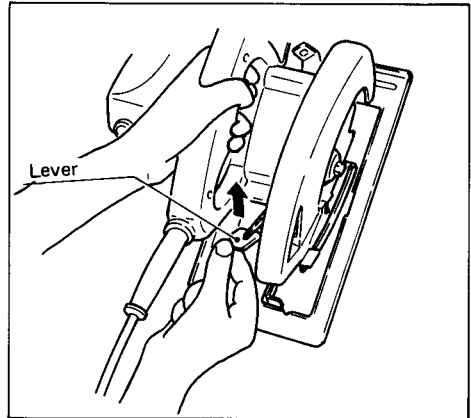


Fig. 10

CAUTION :

- Use a shallow depth of cut when cutting thin workpiece for cleaner, safer cuts.
- After adjusting the depth of cut, always tighten the lever securely.

Bevel cutting

Loosen the nut on the bevel scale plate on the front of the base. Set for the desired angle ($0 - 45^\circ$) by tilting accordingly, then tighten the nut securely.

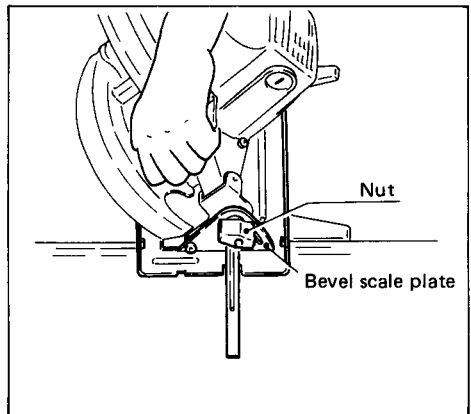


Fig. 11

Sighting

For straight cuts, align the right notch in the front of the base with your cutting line on the workpiece.

For 45° bevel cuts, align the left notch with it.

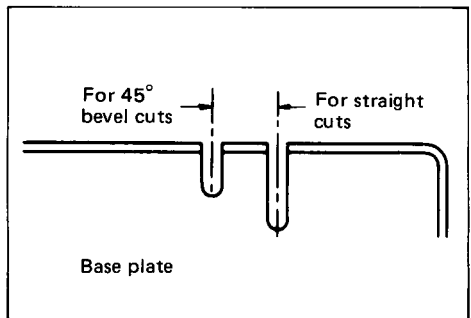


Fig. 12

Switch action

To start the tool, simply pull the trigger. Release the trigger to stop.

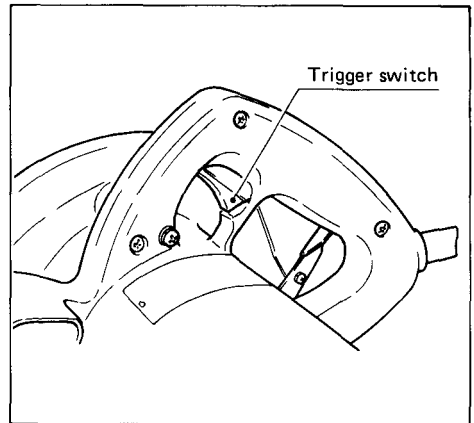


Fig. 13

CAUTION:

Before plugging in the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

Operation

Grasp the rear handle with your right hand and the front grip with your left. Maintain proper balance and control. Set the saw base on the workpiece to be cut with its guide plate contacting flush against the side of the workpiece and without the blade making any contact. Turn the tool on and wait until the blade attains full speed. Now simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the cut is completed. The guide plate will cause the tool to cut perpendicularly (90°) to the side of the workpiece contacted by the guide plate. When the cut is completed, turn the tool off and wait until the blade has come to a complete stop. Return the tool back to its original position. The guide plate will return to its original position automatically.

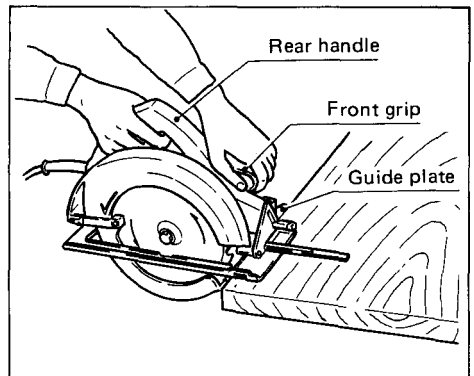


Fig. 14

When the cut is completed, turn the tool off and wait until the blade has come to a complete stop. Return the tool back to its original position. The guide plate will return to its original position automatically.

CAUTION:

When you attempt to cut workpieces wider than travel distance of the guide plate or to perform cuts other than square cuts, remove the guide plate from the tool.

Removing or installing guide plate

To remove the guide plate, carefully unhook the end of the spring from the saw base by pushing forward and raising it. Then remove the guide plate by sliding it backward.

To install the guide plate, follow the removal procedures in reverse.

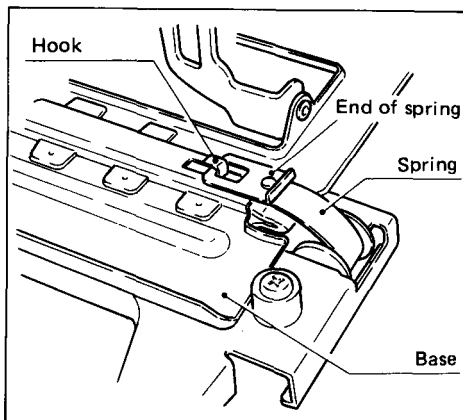


Fig. 15

CAUTION:

Never stretch the spring more than 350 mm (13-25/32") long. The spring may come off the guide plate unexpectedly, resulting an injury to you.

Guide rule (Rip fence)

The handy guide rule allows you to do accurate straight cuts parallel with a straight edge of the workpiece. To install the guide rule, first remove the guide plate from the tool. Then simply slide the guide rule up snugly against the side of the workpiece and secure it in position for the desired cut with the nut on the front of the base. It also makes repeated cuts of uniform width possible.

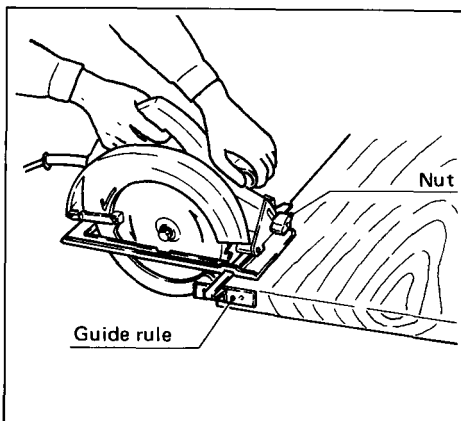


Fig. 16

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

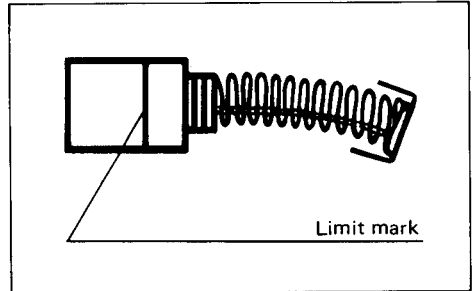


Fig. 17

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

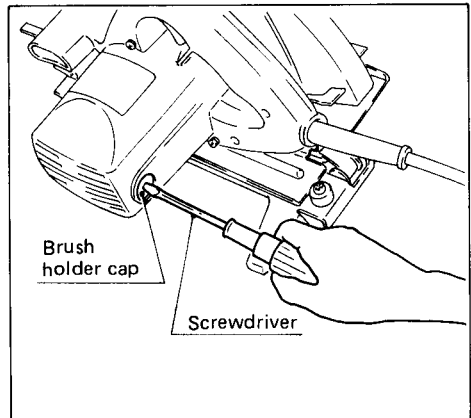


Fig. 18

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

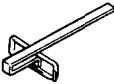
● Wrench 13

Part No. 781203-2



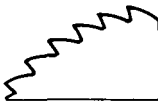
● Guide rule

Part No. 164095-8



● Chisel tooth combination saw blade

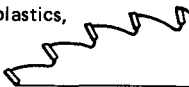
For rip and cross-cut work.
Most frequently used for
general carpentry.



Part No.	Diameter (mm)	Hole diameter (mm)	No. teeth
721245-4	185 (7-1/4")	5/8"	20

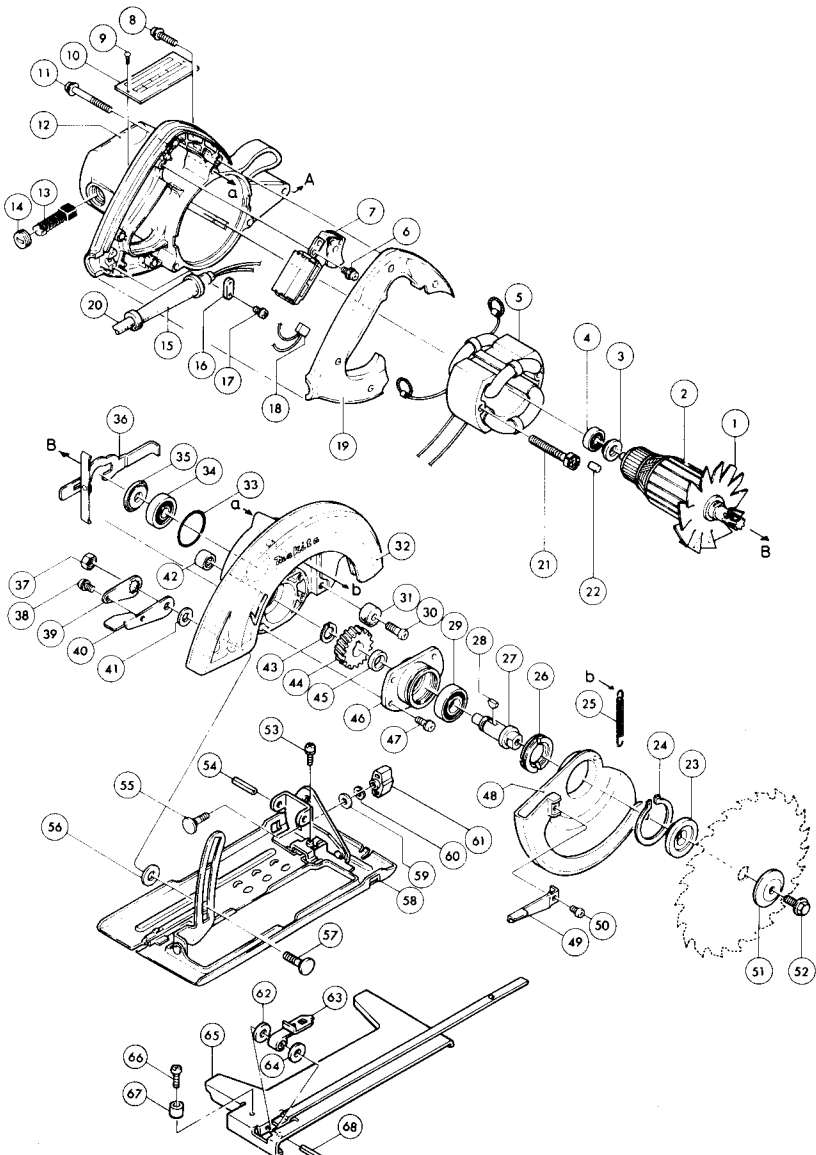
● Carbide-tipped saw blade

Faster, smoother, longer sawing
without blade sharpening.
Cuts wood, dry wall, plastics,
hard wood, etc.



Part No.	Diameter (mm)	Hole diameter (mm)	No. teeth
721252-7	185 (7-1/4")	5/8"	16

185 mm (7-1/4") SQUARE CUT SAW Model 5007S



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<u>MACHINE</u>			<u>MACHINE</u>		
1	1	Fan 92	35	1	Dust Seal 12
2	1	ARMATURE ASSEMBLY	36	1	Spindle Lock
		(With Item 1, 3, 4, 34 & 35)	37	1	Hex. Nut M8
3	1	Insulation Washer	38	1	Pan Head Screw M4x8 (With Washer)
4	1	Ball Bearing 608LB	39	1	Lock Plate
5	1	FIELD ASSEMBLY	40	1	Lever Plate
6	1	Pan Head Screw M4x12 (With Washer)	41	1	Flat Washer 8
7	1	Switch	42	1	Needle Bearing 10/10
8	4	Pan Head Screw M4x25 (With Washer)	43	1	Retaining Ring S-15
9	2	Rivet 0-5	44	1	Helical Gear 39
10	1	Name Plate	45	1	Ring 15
11	3	Pan Head Screw M5x50 (With Washer)	46	1	Bearing Box
12	1	Motor Housing	47	4	Pan Head Screw M4x16 (With Washer)
13	2	Carbon Brush	48	1	Safety Cover
14	2	Brush Holder Cap	49	1	Lever
15	1	Cord Guard	50	1	Pan Head Screw M4x10 (With Washer)
16	1	Strain Relief	51	1	Outer Flange 40
17	2	Pan Head Screw M4x18 (With Washer)	52	1	Hex. Flange Head Bolt M8x20
19	1	Handle Cover	53	1	Pan Head Screw M5x12 (With Washer)
20	1	Cord	54	1	Spring Pin 6-40
21	2	Pan Head Screw M5x55 (With Washer & Bond)	55	1	Cap Square Neck Bolt M6x20
22	1	Rubber Pin 4	56	1	Flat Washer 8
23	1	Inner Flange 40	57	1	Cap Square Neck Bolt M8x24
24	1	Retaining Ring S-42	58	1	Base
25	1	Tension Spring 4	59	1	Flat Washer 6
26	1	Bearing Retainer 22-36	60	1	Spring Washer 6
27	1	Spindle	61	1	Wing Nut M6
28	1	Woodruff Key 5	62	1	Flat Washer 6
29	1	Ball Bearing 6202LLB	63	1	Spiral Spring
30	1	Pan Head Screw M6x20	64	1	Flat Washer 6
31	1	Rubber Sleeve 6	65	1	Guide Plate
32	1	Blade Case	66	1	Pan Head Screw M6x20
33	1	O Ring 32	67	1	Rubber Sleeve 6
34	1	Ball Bearing 6201LLB	68	1	Spring Pin 6-28

Note: The switch and other part specifications may differ from country to country.



MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

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